

# Mobile Source Emission Projections Urban Areas

March 29, 2012

PM<sub>2.5</sub> SIP STAKEHOLDERS Meeting



# **Metropolitan Planning Organization (MPO)**

**Coordinate transportation plans for urbanized areas**

- **Regional Transportation Plan**
- **Travel Demand Model**
- **Air Quality Conformity**

**WFRC – Salt Lake, Davis, Weber**

**MAG - Utah**



# Land Use and Transportation Alternatives

## Wasatch Choices 2040 Vision





# **Travel Demand Model**

**Population Projections (GOPB)**

**Employment Projections (GOPB)**

**Transportation Network**

- Highway projects
- Transit projects
- Other modes

**Travel Habits (home interview survey)**



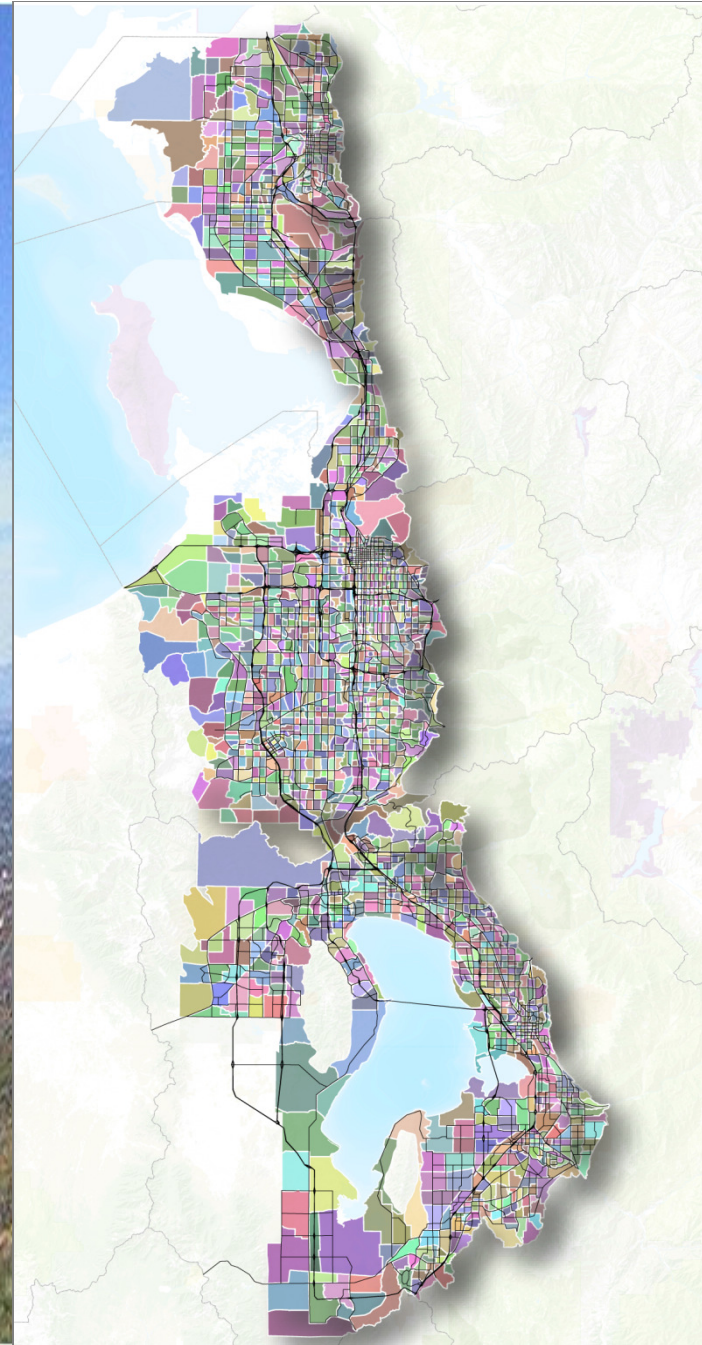
# Population and Employment Forecasts

	2008	2014	2019
<b>Salt Lake County</b>			
Population	1,042,000	1,159,000	1,255,000
Employment	686,000	754,000	796,000
<b>Utah County</b>			
Population	524,000	626,000	711,000
Employment	226,000	282,000	318,000



# Regional Travel Demand Model

Transportation Network &  
Traffic Analysis Zones

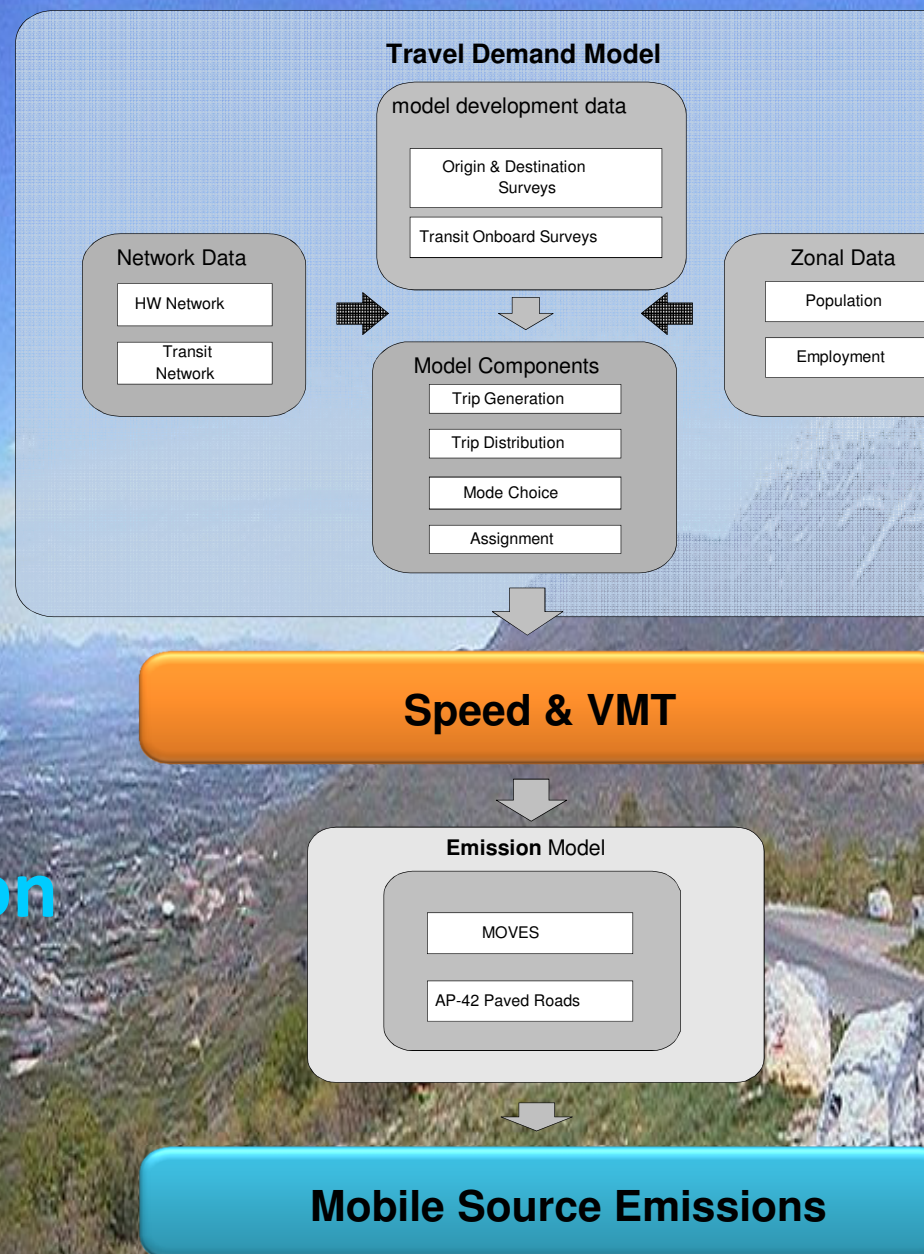




# Travel Model & Emission Model Interaction Diagram

Travel Model

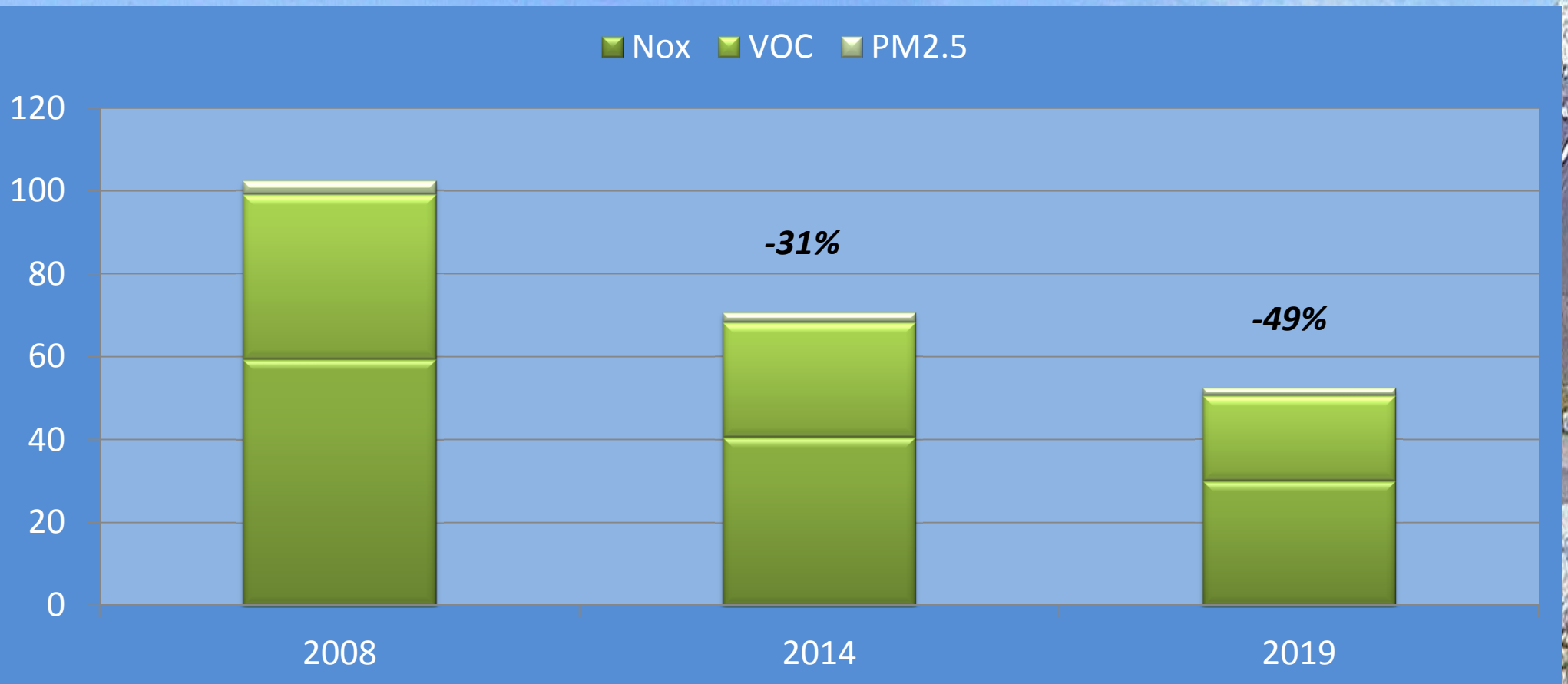
Vehicle Emission Model





# Vehicle Emission Estimates

## Salt Lake County





# Questions?

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